S
553.28
O1S
VOL 26 NO 9
SEP 1977

RIODICALS

Montana State Library
3 0864 1005 9771 8

MONTANA OIL AND GAS STATISTICAL BULLETIN

DEC 6 '77

MONTANA STATE LIBRARY
930 East Lyndale Avenue
Helena, Montana 59601

ADMINISTRATORS

DONALD E. CHISHOLM, Administrator
P. O. BOX 217
HELENA, MONTANA 59601

DONALD A. GARRITY, Attorney
1721 ELEVENTH AVENUE
HELENA, MONTANA 59601

JUDSON D. SWEET, Petroleum Engineer
15 POLY ORIVE
BILLINGS, MONTANA 59101

CHARLES G. MAIO, Geologist
15 POLY ORIVE
BILLINGS, MONTANA 59101

BOARD MEMBERS

R. A. CAMPBELL, Chairman
1222 N 27TH STREET
BILLINGS, MONTANA 59101

C. J. IVERSON, Vice Chairman
WHITLASH, MONTANA 59545

MILTON G. ANDERSON
P. O. BOX 73
SIONEY, MONTANA 59270

PAUL C. BUNN
WESTLAND BUILOING
CHESTER, MONTANA 59522

JOHN P. MOORE
P. O. BOX 997
CUT BANK, MONTANA 59427

BOARD OF OIL AND GAS CONSERVATION
SAVINGS BLDG.
HELENA, MONTANA 59601

Vol. XXVI, No. 9 — **September, 1977**

PRODUCTION STATUS

Production of crude oil and condensate from the oil and gas areas of Montana for the month of September, 1977, averaged 91,442 barrels daily, a decrease of 102 barrels from the average 91,544 production in August.

The six refineries in the state processed 131,164 barrels of crude oil daily for the month of September, a decrease of 11,842 barrels from the 143,006 barrels processed daily during the month of August.

During September, 35 wells were completed, 10 oil, 7 gas, and 18 dry holes.

During September, the Board issued 52 permits to drill new wells, a decrease of 20 from the 62 permits issued during August.

SUMMARY OF CRUDE PRODUCTION, REFINING, STORAGE, ETC., IN MONTANA

MONTH OF SEPTEMBER, 1977

IN STORAGE SEPTEMBER 1st	
By Producers	312,307
By Transporters	1,236,076
By Refiners	1,118,333
TOTAL STORAGE	2,666,716
Produced in Mont. During Month	2,743,252
Imported During Month	3,228,781
TOTAL	8,638,749
DISPOSITION	
Refined in Montana	3,934,936
Exported	2,013,516
Used for Fuel or Lost	2,766
TOTAL	5,951,218
IN STORAGE SEPTEMBER 30th	
By Producers	326,634
By Transportation	1,176,649
By Refiners	1,184,248
TOTAL STORAGE	2,687,531

NATURAL AND ASSOCIATED GAS WITHDRAWALS IN MONTANA AT 15.05 LBS. AND 60°F.

Month of September, 1977

Field	MC. Ft.
NATURAL:	
Alma	1,022
Bear's Den	—0—
Big Coulee	64,393
Black Coulee	4,669
Blackjack	1,148
Big Rock	144,443
Bowdoin	415,010
Bowes	27,869
Brown's Coulee	201
Bullwacker & Area	147,288
Canadian Coulee	37,612
Cedar Creek	145,558
Chip Creek	2,936
Clark Fork, North	498
Coal Coulee	4,021
Conrad-Butte	13,179
Cut Bank (including Reagan)	428,615
Dry Creek	45,569
Dry Creek, Middle	3,459
Ethridge	6,186
Flat Coulee	338
Fred & George	—0—
Fresno	7,321
Gold Butte	1,109
Grandview	—0—
Hardin	3,638
Haystack	25,097
Keith Block	92,883
Kevin Sunburst	1,502
Kevin Sunburst Nisku & Area	14,083
Kicking Horse	18,767
Kinyon Coulee Area	7,499
Lake Basin	16,387
Liscom Creek	25,858
Middle Butte	—0—
Mt. Lilly	—0—
Plevna	3,522
Prairie Dell	46,794
Pumpkin Creek	5,580
Rapelje	27,638
Rocky Boy Area	14,335
Sage Creek	—0—
Sawtooth Mountain & Area	203,170
Sherard	75,632
Strawberry Creek Area	3,850
Snoose Coulee	9,123
South Devon	7,393
South Shelby	39,365
Swanson Creek	5,102
Tiger Ridge	998,804
Trail Creek	—0—
Utopia	—0—
West Butte	—0—
Whitlash	58,220
Willow Ridge	7,126
ASSOCIATED:	
Bell Creek	33,047
Big Muddy	8,827
Blue Hill	3,586
Cabin Creek	41,369
Clark Fork, South	4,665
Elk Basin	14,694
Fairview	40,920
Four Mile Creek	7,321
Four Mile Creek, West	1,463
Glendive	—0—
Otis Creek	6,013
Pine	34,591
Richland	47,702
Sioux Pass	17,596
Sioux Pass, East	657
Sioux Pass, Middle	8,575
Sioux Pass, North	6,776
Sumatra	18,527
Tule Creek	7,766
TOTAL	3,517,907

Total withdrawals for September, 1976 were 3,130,207 MCF.

PRODUCERS' REPORT — MONTH OF SEPTEMBER, 1977

Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
3	Arch Apex	4	1,321	784	689	461	—	955
1	Ash Creek	2	378	755	—	768	—	365
1	Bainville	1	1,941	2,006	—	1,699	—	2,249
2	Bannatyne	2	607	434	434	—	—	607
6	Bears Den	7	1,479	1,040	—	1,333	—	1,186
15	Bell Creek	166	13,141	739,140	735,380	—	2,093	14,808
1	Benrud	2	245	172	—	213	—	204
3	Benrud East	3	1,194	7,319	446	6,376	—	1,691
1	Benrud Northeast	1	442	1,296	—	836	—	902
1	Berthelote	1	175	123	—	—	—	298
3	Big Gully	3	564	3,130	—	3,258	19	417
3	Big Muddy Creek	3	2,173	10,022	—	9,306	—	2,889
5	Big Wall	15	1,489	3,829	4,106	—	—	1,212
1	Blackfoot	6	530	1,473	1,650	—	—	353
1	Blue Hill	1	731	3,960	—	4,190	—	501
6	Border	11	1,382	2,316	—	1,822	—	1,876
1	Boulder	1	393	1,683	—	1,281	190	605
1	Bowes	59	3,631	12,669	—	12,364	—	3,936
1	Bradley	1	256	540	—	411	—	385
1	Brady	1	—	234	234	—	—	—
2	Breed Creek	5	1,766	15,923	—	16,154	—	1,535
5	Brorson-Madison	5	3,322	2,235	—	3,104	—	2,453
4	Brorson-Red River	4	4,275	6,534	—	6,231	—	4,578
3	Brorson-Red River S.	3	1,473	2,817	—	2,847	—	1,443
5	Brush Lake	5	1,695	9,123	9552	—	—	1,266
1	Burns Creek	1	446	513	—	388	—	571
2	Cabin Creek	84	—	140,439	140,439	—	—	—
1	Canal	1	697	2,381	—	2,514	—	564
10	Cat Creek	58	2,160	8,522	8,617	—	—	2,065
2	Charlie Creek	2	2,248	12,561	—	13,512	—	1,297
—	Clarks Fork	—	37	—	—	—	—	37
1	Clarks Fork North	1	260	109	—	—	—	369
1	Clarks Fork South	1	953	176	—	—	—	1,129
1	Clear Lake	1	430	10,060	—	10,188	—	301
—	Conrad South	—	190	—	—	—	—	190
1	Cow Creek	1	386	255	493	—	—	148
8	Cow Creek East	10	4,205	17,993	17,807	—	—	4,391
1	Culbertson	1	449	547	—	405	—	591
7	Cupton	10	4,106	9,632	—	8,737	—	5,001
92	Cut Bank	868	33,682	162,020	132,535	29,338	18	33,811
1	Dagmar	1	865	4,035	—	4,173	—	727
1	Dean Dome	1	609	740	—	751	—	598
1	Deer Creek	1	388	400	453	—	—	335
1	Delphia	1	53	2	—	—	—	55
1	Devils Basin	1	294	198	—	198	—	294
5	Dry Creek	5	638	2,942	—	2,794	—	786
2	Dwyer	10	3,741	13,502	13,399	—	—	3,844
3	Elk Basin	50	554	82,757	82,788	—	—	523
3	Elk Basin Northwest	5	1,522	1,603	1,056	419	—	1,650
5	Fairview	9	7,513	23,942	24,156	—	—	7,299
2	Fertile Prairie	2	660	1,245	—	988	—	917
4	Flat Coulee	20	1,659	10,528	10,102	218	—	1,867
7	Flat Lake	49	2,093	49,419	49,234	—	—	2,278
4	Flat Lake South	4	933	3,631	2,921	—	—	1,643
1	Fort Gilbert	1	824	1,248	1,257	—	—	815
1	Four Mile Creek	1	3,570	5,970	5,805	—	—	3,735
1	Four Mile Creek West	1	775	1,832	1,852	—	—	755
1	Frannie	1	—	900	900	—	—	—
11	Fred & George Creek	32	3,846	40,899	38,484	2,055	—	4,206
1	Frnid Snuth	1	572	682	—	421	—	833
1	Gage	1	93	132	—	171	—	54
3	Gas City	14	4,737	10,275	7,217	3,694	—	4,101
1	Girard	1	964	266	—	—	—	1,230
11	Glendive	15	2,031	19,071	7,704	10,708	—	2,690
—	Golden Dome	—	350	—	—	—	—	350
12	Goose Lake	19	2,864	14,888	13,687	—	—	4,065
12	Graben Coulee	37	3,993	3,923	2,779	1,737	46	3,354
1	Grandview East	1	82	230	—	210	—	102
4	Gumbo Ridge	6	864	4,088	—	4,152	—	800
4	Gypsy Basin	5	600	956	—	648	—	908
2	Hay Creek-Mission	2	980	968	960	—	—	988
2	Hay Creek-Red River	2	1,434	3,213	3,065	—	—	1,582
4	Hiawatha	4	1,862	3,747	4,231	—	—	1,378
1	Hibbard	1	629	324	—	435	—	518
8	High Five	12	2,676	6,795	6,306	—	—	3,165
—	Highview	—	25	—	—	—	—	25
1	Horse Creek	1	537	137	—	—	—	674
2	Howard Coulee	2	808	2,365	—	2,651	—	522
5	Ivanhoe	10	1,376	2,315	2,191	—	—	1,500
2	Jim Coulee	16	2,805	24,697	24,060	—	—	3,442
5	Keg Coulee	22	3,068	7,633	7,667	—	(67)	3,101
2	Keg Coulee North	2	713	816	451	—	—	1,078
1	Kelley	3	529	2,124	1,844	—	—	809
104	Kevin Sunburst	553	13,770	30,620	9,551	21,767	21	13,051
1	Laird Creek	10	976	1,854	2,193	—	—	637
1	Landslide Butte	1	389	29	—	—	—	418
2	Leary	2	1,493	2,946	—	2,513	45	1,881
2	Little Beaver	23	256	34,835	34,933	—	—	158
3	Little Beaver East	10	1,961	9,900	8,921	721	—	2,219
12	Little Wall Creek	13	4,441	18,721	19,091	—	28	4,043
1	Lodge Grass	1	279	615	—	521	—	373
2	Lone Butte	2	1,045	4,182	—	4,000	—	1,227
6	Lonetree Creek	6	3,750	13,093	—	13,649	—	3,194
1	Long Creek	1	313	567	442	—	—	438
1	Long Creek West	1	366	5,767	5,665	—	—	468
3	Lookout Butte (Coral Creek)	29	1,000	50,997	51,185	—	—	812
2	Mason Lake	2	183	223	353	—	—	53
4	Melstone	8	1,299	12,269	12,672	—	—	896
1	Mineral Bench	1	50	500	—	—	—	550
2	Miners Coulee	2	140	379	237	—	—	282
6	Mon Dak West	6	3,825	19,587	—	19,614	—	3,798
10	Monarch	15	3,416	11,961	9,377	2,763	—	3,237
2	Mosser	6	—	387	—	387	—	—
1	Nohly	2	1,115	7,275	—	7,294	—	1,096
1	North Fork	2	431	3,789	—	3,223	—	997
4	Otis Creek	4	2,543	7,473	—	7,585	—	2,431
6	Outlook	8	2,477	18,279	18,934	—	—	1,822
1	Outlook South	1	203	62	—	—	—	265
2	Outlook West	2	404	886	—	—	—	1,290
1	Pennel	116	1,024	243,269	243,269	—	—	1,024
3	Pine	101	12,941	182,366	182,283	—	—	13,024
63	Pondera	290	6,252	22,827	15,032	9,264	—	4,783
6	Poplar	61	6,175	37,699	35,923	428	—	7,523
9	Poplar Northwest	12	2,156	14,495	13,707	—	—	2,944
1	Prairie Elk	1	297	550	—	—	—	847
1	Prichard Creek	4	375	923	—	1,063	—	235
1	Putnam	2	615	1,793	—	1,596	—	812
2	Rabbit Hills	2	1,830	3,858	—	4,113	—	1,575
10	Ragged Point	23	3,933	7,161	7,341	—	6	3,747
2	Rattler Butte	2	558	1,167	—	1,419	6	300
2	Rattlesnake Coulee	2	621	254	—	234	—	641
2	Raymond	5	1,718	19,775	19,511	—	—	1,982
1	Raymond Northeast	1	1,120	1,062	1,467	—	—	715
3	Reagon	51	687	16,184	16,094	—	—	777
1	Red Creek	19	—	8,096	8,096	—	—	—
1	Red Fox	1	296	319	—	445	—	170
1	Redstone	1	331	842	—	730	—	443
1	Repeat	1	849	742	—	771	—	820
3	Reserve	3	2,366	2,001	2,117	—	—	2,250
3	Richey	3	836	1,593	761	1,304	—	364
1	Richey Southwest	4	613	637	—	827	—	423
2	Rip Rap Coulee	2	798	1,691	—	1,446	—	1,043
4	Rosebud	4	1,461	2,713	2,774	—	—	1,400
1	Rush Mountain	1	423	1,923	—	1,917	—	429
2	Salt Lake	3	539	1,916	—	1,811	—	644
2	Sand Creek	4	402	2,585	2,585	—	—	402
4	Second Creek	4	962	20,152	—	19,761	—	1,353
2	Sheepherder	3	690	574	612	—	25	627
4	Sidney	4	1,588	6,614	—	5,850	—	2,352
7	Sioux Pass	7	3,539	26,336	—	25,735	—	4,140
1	Sioux Pass East	1	68	687	—	490	—	265
2	Sioux Pass Middle	2	939	11,125	—	11,035	—	1,029
6	Sioux Pass North	6	3,236	11,897	—	11,292	—	3,841
1	Snyder	3	512	504	—	590	—	426
8	Soap Creek	23	1,485	6,280	—	5,191	—	2,574
2	South Fork	2	700	11,141	—	10,432	—	1,409
1	Spring Lake	1	566	96	—	—	—	662
1	Stensvad	4	2,165	3,009	3,415	—	—	1,759
28	Sumatra	106	9,241	179,650	178,060	—	311	10,520
5	Tule Creek	5	2,620	11,907	7,998	4,412	—	2,117
2	Tule Creek East	2	1,215	729	—	864	—	1,080
2	Tule Creek South	3	728	991	—	1,290	—	429
3	Vaux	3	2,905	11,491	—	10,919	—	3,477
1	Vaux South	1	—	348	—	—	—	348
2	Vida	2	463	232	—	214	—	481
5	Volt	6	3,140	8,217	882	7,349	—	3,126
1	Wagon Box	1	306	142	—	—	—	448
1	Weed Creek	1	428	854	—	844	—	438
3	Weldon	3	1,168	399	357	—	—	1,210
1	West Butte	1	—	638	638	—	—	—
28	Whitlash	61	9,838	11,911	7,685	2,029	—	12,035
—	Whitlash West	—	284	—	—	—	—	284
2	Willow Creek North	2	592	707	1,004	—	—	295
1	Willow Ridge	1	—	406	—	406	—	—
3	Wilts Creek South	3	—	2,936	2,936	—	—	—
3	Winnett Junction	6	820	2,569	—	2,886	—	503
2	Wolf Springs	2	672	1,057	—	1,247	—	482
	Womans Pocket	—	271	—	—	—	—	271
2	Woodrow	2	232	1,800	1,488	—	—	544
2	Wright Creek	3	886	962	—	1,274	—	574
1	Wildcat, Big Horn Co	1	—	513	—	380	—	133
3	Wildcat, Liberty Co	4	192	1,430	—	857	—	765
—	Wildcat, McCone Co	—	52	—	—	—	—	52
1	Wildcat, Musselshell Co	1	187	165	217	—	—	135
7	Wildcat, Richland Co	7	2,486	14,493	—	14,320	—	2,659
1	Wildcat, Roosevelt Co	1	383	2,780	—	2,314	—	849
6	Wildcat, Toole Co	6	1,110	1,193	—	1,293	—	1,010
1	Wildcat, Wibaux Co	1	316	477	—	589	—	204
810	TOTAL	3,448	312,307	2,743,252	2,296,757	429,427	2,741	326,634

TRANSPORTERS' REPORT — MONTH OF SEPTEMBER, 1977

	Storage First of Month	Oil Received By			Loss or Gain	Oil Shipped To			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck	—	—	768	—	—	—	—	768	—
BAINVILLE—Koch Oil Co	—	—	1,698	—	—	—	—	1,698	—
BEAR'S DEN—Phillips Petr	—	—	1,333	—	—	1,333	—	—	—
BELL CREEEK—Pipeline	25,899	735,380	—	45,193	—	—	781,397	—	25,075
BIG GULLY—Western Crude & Husky Oil	—	—	3,258	—	—	3,258	—	—	—
BIG MUDDY—Koch Oil & Black Hills	—	—	9,306	—	—	—	9,306	—	—
BIG WALL—Continental	—	4,106	—	—	—	4,106	—	—	—
BOULDER—R P. Trading Co	—	—	1,281	—	—	—	1,281	—	—
BLACKFOTT—Phillips Petr	—	1,650	—	—	—	1,650	—	—	—
BORDER—Permian & N M O S	—	—	1,822	—	—	850	—	972	—
BOWES—Koch Oil Co	—	—	12,364	—	—	—	12,364	—	—
BREEK CREEK—Black Hills Oil Marketeers	—	—	16,154	—	—	16,154	—	—	—
BRORSON-MADISON, BRORSON-RED RIVER & BRORSON R.R. SOUTH—Koch Oil Co.	—	—	11,735	—	—	—	—	11,735	—
Western Crude Oil	—	—	447	—	—	—	—	447	—
	—	—	12,182	—	—	—	—	12,182	—
BRUSH LAKE—Portal Pipeline Co	—	9,552	—	—	—	—	9,552	—	—
BURN'S CREEK—Western Crude Oil	—	—	388	—	—	—	—	388	—
CABIN CREEK & OTHERS									
Butte Pipeline Co.	230,180	383,284	29,881	509,001	—	—	867,908	45,193	239,245
Shell Pipeline Co.	3,211	290,059	—	465	(572)	—	—	291,472	2,835
	233,391	673,343	29,881	509,466	(572)	—	867,908	336,665	242,080
CANAL—Koch Oil Co	—	—	2,514	—	—	—	—	2,514	—
CAT CREEK—Continental	—	8,617	—	—	—	8,617	—	—	—
CHARLIE CREEK—Black Hills Oil Marketeers	—	—	13,512	—	—	—	—	13,512	—
CLEAR LAKE—Westco & U.S. Crude	—	—	10,189	—	—	8,900	—	1,289	—
COW CREEK & COW CREEK EAST— Western Crude Oil, Inc.	—	18,300	—	—	—	—	—	18,300	—
CUT BANK—									
Permian Corp.	—	—	27,985	—	—	—	—	27,985	—
Phillips Petroleum Co.	31,020	52,715	5,867	66,059	—	128,319	—	7,450	19,892
Texas Pipeline Co.	22,180	14,892	—	—	—	—	—	21,392	15,680
Union Oil Co	39,831	16,094	—	37,081	1,670	38,061	—	6,289	46,986
Western Oil Trans. Co.	—	26,304	—	—	—	—	—	26,304	—
Western Oil Trans. Co. (Moulton)	—	11,773	—	—	—	—	—	11,773	—
	93,031	121,778	33,852	103,140	1,670	166,380	—	101,193	82,558
DAGMAR—Koch Oil Co	—	—	4,173	—	—	—	—	4,173	—
DEAN DOME—Cenex	—	—	751	—	—	751	—	—	—
DRY CREEK—Husky Oil	—	—	2,794	—	—	—	2,794	—	—
DWYER—Portal Pipeline Co	—	13,399	—	—	—	—	13,399	—	—
ELK BASIN & ELK BASIN N W —									
Marathon Pipeline	—	83,844	—	—	—	42,283	41,561	—	—
Permian Corp.	—	—	419	—	—	419	—	—	—
	—	83,844	419	—	—	42,702	41,561	—	—
FAIRVIEW—									
Fairview Pipeline Co.	—	11,499	—	—	—	—	—	11,499	—
Koch Oil Co.	—	12,657	—	—	—	—	—	12,657	—
	—	24,156	—	—	—	—	—	24,156	—
FLAT COULEE—Phillips Petr	—	10,102	218	—	—	10,320	—	—	—
FLAT LAKE & FLAT LAKE SO — Portal Pipeline	—	52,155	—	—	—	—	52,155	—	—
FORT GILBERT—Fairview Pipeline	—	1,257	—	—	—	—	—	1,257	—
FOUR MILE CREEK—West Crude & U S. Crude	—	7,657	—	—	—	—	—	7,657	—
FRANNIE—Interstate Pipeline Co	—	900	—	—	—	900	—	—	—
FREO & GEORGE CREEK—Phillips Petr	17,701	38,484	2,055	—	(160)	46,004	—	—	12,396
GAGE—Northwest Crude	—	—	171	—	—	171	—	—	—
GAS CITY, GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—Koch Oil Co	—	—	2,501	—	—	—	—	2,501	—
Texas Pipeline Co.	4,753	19,447	—	—	—	—	—	16,984	7,216
	4,753	19,447	2,501	—	—	—	—	19,485	7,216
GOOSE LAKE—Portal Pipeline	—	13,687	—	—	—	—	13,687	—	—
GUMBO RIDGE—Permian	—	—	4,152	—	—	—	—	4,152	—
HAY CREEK—Koch Oil & Westco	—	4,025	—	—	—	1,896	—	2,129	—
HIAWATHA—Continental Pipeline Co	—	4,231	—	—	—	4,231	—	—	—
HOWARD COULEE—Permian	—	—	2,651	—	—	—	—	2,651	—
IVANHOE—Continental Pipeline	—	2,191	—	—	—	2,191	—	—	—
JIM COULEE—Continental Pipeline Co.	—	24,060	—	—	—	24,060	—	—	—
KEG COULEE & KEG COULEE NO Continental Pipeline Co	—	8,118	—	—	—	8,118	—	—	—
KELLEY—Continental Pipeline Co	—	1,844	—	—	—	1,844	—	—	—
KEVIN SUNBURST—									
Big West Oil Co.	3,614	24,701	—	—	—	20,779	—	3,922	3,614
Homestake Oil & Gas Co.	1,654	5,071	—	—	—	3,985	—	—	2,740
Texas Pipeline Co	15,274	7,246	—	32,940	—	32,641	—	—	22,819
Northern Mont. Oil Service	956	—	23,056	—	—	22,412	—	—	1,600
	21,498	37,018	23,056	32,940	—	79,817	—	3,922	30,773
LAIRD CREEK—Phillips Petr	—	2,193	—	—	—	2,193	—	—	—
LEARY—Western Crude	—	—	2,513	—	—	—	—	2,513	—
LODGE GRASS—Permian	—	—	521	—	—	—	—	521	—
LONE TREE CREEK—Koch Oil Co.	—	—	13,649	—	—	—	—	13,649	—
MASON LAKE—Continental Pipeline Co	—	353	—	—	—	353	—	—	—
MELSTONE—Continental Pipeline Co	—	12,672	—	—	—	12,672	—	—	—
MIDDLE WALL—Continental Pipeline Co	—	20,095	—	—	—	20,095	—	—	—
MONDAK WEST—Western Crude	—	—	19,614	—	—	2,552	—	17,062	—
MOSSER—Permian Corp	—	—	387	—	—	387	—	—	—
NOHLY—Koch Oil Co	—	—	7,294	—	—	—	—	7,294	—
NORTH FORK—Koch Oil Co	—	—	3,223	—	—	1,575	—	1,648	—
OTIS CREEK—Western Crude	—	—	7,585	—	—	6,442	1,143	—	—
OUTLOOK, OUTLOOK SO., & OUTLOOK WEST—Portal Pipeline Co	—	18,934	—	—	—	—	18,934	—	—
PONDERA—Phillips Petr	23,763	16,558	9,264	—	2,293	25,347	—	—	21,945
POPLAR AREA—East Poplar Gather [3]	14,994	65,824	—	—	(341)	—	71,772	—	9,387
PUTNAM—Western Crude Oil	—	—	1,596	—	—	—	—	1,596	—
RABBIT HILLS—Koch Oil	—	—	4,113	—	—	—	4,113	—	—
RAGGED POINT—Continental Pipeline Co	—	7,341	—	—	—	7,341	—	—	—
RATTLER BUTTE—Continental Oil	—	—	1,419	—	—	1,419	—	—	—
RAYMOND—Portal Pipeline	—	20,978	—	—	—	—	20,978	—	—
RED CREEK—Western Oil Trans	—	8,096	—	—	—	—	—	8,096	—
REDSTONE—Koch Oil Co	—	—	730	—	—	—	—	730	—
RESERVE—Portal Pipeline	—	2,117	—	—	—	—	2,117	—	—
RIP RAP COULEE—Koch Oil Co	—	—	1,446	—	—	—	1,446	—	—
ROSEBUD—Continental Pipeline	—	2,774	—	—	—	2,774	—	—	—
RUSH MOUNTAIN—Koch Oil	—	—	1,917	—	—	—	—	1,917	—
SALT LAKE—Koch Oil Co	—	—	1,811	—	—	—	—	1,811	—
SECOND CREEK—Koch Oil & Westco	—	—	19,761	—	—	1,839	—	17,922	—
SHEEPHEREOER—Continental Pipeline Co	—	612	—	—	—	612	—	—	—
SIDNEY—Western Crude	—	—	5,850	—	—	—	—	5,850	—
SIOUX PASS—Western Crude & Koch Oil	—	—	48,552	—	—	18,444	—	30,108	—
SNYDER—Permian	—	—	590	—	—	—	—	590	—
SOAP CREEK—Permian	—	—	5,191	—	—	—	—	5,191	—
SOUTH FORK—Koch Oil Co	—	—	10,432	—	—	—	—	10,432	—
SUMATRA, STENSVAD & HIGH FIVE— Continental Pipeline Co	787,953	187,781	—	80,841	(2,877)	187,525	—	133,758	738,169
TULE CREEK, BENRUD, VOLT & OTHERS—Kenco Refiners & Western Crude	13,093	—	29,574	—	12	35,605	—	—	7,050
VAUX—Western Crude & Koch Oil	—	—	10,919	—	—	9,491	—	1,428	—
WEED CREEK—Black Hills Oil Marketeers	—	—	844	—	—	844	—	—	—
WELDON—Western Crude	—	357	—	—	—	—	—	357	—
WHITLASH & WHITLASH WEST— Phillips Petr Co	—	7,685	2,029	—	—	9,714	—	—	—
WINNETT JUNCTION—Truck	—	—	2,886	—	—	2,886	—	—	—
WOLF SPRINGS—Permian Corp	—	—	1,247	—	—	—	—	1,247	—
WRIGHT CREEK—Western Crude Oil	—	—	1,274	—	—	—	—	1,274	—
WILDCAT WELLS	—	217	19,753	—	—	6,764	2,883	10,323	—
TOTAL	1,236,076	2,293,888	429,427	771,580	25	791,127	1,928,790	834,380	1,176,649

[1]Cabin Creek, Little Beaver, Lookout Butte, Pennel, Pine, Monarch, & Wills Creek S. Little Wall Creek & Willow Creek North

[3]Benrud East, Long Creek, Poplar, Richey, Tute Creek & Volt

[4]Benrud, Blue Hill, Culbertson, Friod, Poplar, Red Fox, Richie, Tule Creek, Vida & Volt.

*INCLUDES VARIOUS FIELDS IN NORTHWESTERN AND CENTRAL MONTANA

**ESTIMATED FIGURES DUE TO LARGE REFINERY STORAGE OF MONTANA CRUDE

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF SEPTEMBER, 1977

	Continental Oil Co.	Exxon Co.	Farmers Union	Kenco Ref., Inc.	Phillips Petr. Co.	Westco Ref. Co.	TOTAL
Big Wall	———	———	4,106	———	———	———	4,106
Cat Creek	2,024	———	916**	———	———	———	2,940
Cut Bank & Others*	95,859	3,332	———	———	84,045	86,921	270,157
Elk Basin	18,706	23,577	408	———	———	———	42,691
Flat Coulee	———	———	———	———	———	10,320	10,320
Fred & George Creek	———	———	———	———	44,050	———	44,050
Ivanhoe	2,191	———	———	———	———	———	2,191
Jim Coulee	24,060	———	———	———	———	———	24,060
Keg Coulee	5,727	———	———	———	———	———	5,727
Kelley	———	1,844	———	———	———	———	1,844
Kevin-Sunburst	———	———	———	———	———	29,626	29,626
Lodge Grass	———	———	521	———	———	———	521
Mason Lake	353	———	———	———	———	———	353
Melstone	———	———	1,761**	———	———	———	1,761
Mosser	387	———	———	———	———	———	387
Pondera	———	———	———	———	11,436	———	11,436
Ragged Point	7,341	———	———	———	———	———	7,341
Rosebud	2,774	———	———	———	———	———	2,774
Richey Southwest	———	———	———	2,345	———	———	2,345
Snyder	———	———	590	———	———	———	590
Sumatra, Stensvad, & High Five	123,677	5,671	8,087**	———	———	———	137,435
Tule Creek & Others	———	———	———	68,837	———	———	68,837
Vaux	———	———	———	9,491	———	———	9,491
Volt	———	———	———	11,325	———	———	11,325
Whitlash	———	———	———	———	———	9,714	9,714
Winnett Jct.	———	———	2,886	———	———	———	2,886
Wolf Springs	———	1,247	———	———	———	———	1,247
TOTAL Montana Oil	283,099	35,671	19,275	91,998	139,531	136,581	706,155
N. Dakota Oil Imported	———	———	17,400	———	———	———	17,400
Canadian Oil Imported	581,049	580,785	367,705	———	52,506	———	1,582,045
Wyoming Oil Imported	259,960	654,644	714,732	———	———	———	1,629,336
TOTAL Mont., N. Dakota, Canadian & Wyo. Oil	1,124,108	1,271,100	1,119,112	91,998	192,037	136,581	3,934,936

AVERAGE BARRES PER DAY

	Montana	Canada	Wyoming	N. Dakota	TOTAL
Year, 1976	23,272	64,192	50,029	———	137,493
September, 1976	24,520	61,623	58,213	———	144,356
September, 1977	23,538	52,735	54,311	580	131,164

PERCENTATE OF CRUDE OIL REFINED

	Montana	Canada	Wyoming	N. Dakota
Year, 1976	16.93%	46.69%	36.38%	———
September, 1976	16.98%	42.69%	40.33%	———
September, 1977	17.95%	40.20%	41.41%	0.44%

Total Oil Produced and Shipped from Leases:	BBLS Produced	Daily Average	BBLS. Shipped	Daily Average
Year, 1976	32,840,600	89,728	32,839,588	89,726
First Quarter, 1977	8,048,345	89,426	7,621,387	84,682
Second Quarter, 1977	8,198,925	90,098	8,205,476	90,170
July, 1977	2,733,943	88,192	2,725,246	87,911
August, 1977	2,837,874	91,544	2,838,299	91,558
September, 1977	2,743,252	91,442	2,726,184	90,873

Oil in Storage:	In Producers Field Tanks	In Transporters Storage**	In Refiners Storage**	Total Oil In Storage**
December 1976	304,047	1,335,168	1,134,168	2,773,383
March, 1977	328,392	1,068,110	1,390,454	2,786,956
June, 1977	310,968	1,319,341	1,412,890	3,043,199
July, 1977	316,806	1,262,999	1,200,420	2,780,225
August, 1977	312,307	1,236,076	1,118,333	2,666,716
September, 1977	326,634	1,176,649	1,184,248	2,687,531

**Includes Wyoming, N. Dakota & Canadian Oil